

What is claimed is:

1. A thin-filmed membrane switch, comprising:

a first conductor (1) for electrically coupling a positive terminal of a power source,

5 a second conductor (2) for electrically coupling a negative terminal of said power source,

a set of paired, inter-digital shaped electrodes (3a, 3b) having a plurality of insulation bump dots (P) arranged in certain intervals,

10 a first connector (4), with one end connected to the first conductor (1) and the other end connected to one of the paired, inter-digital shaped electrodes (3a),

a second connector (5), with one end connected to the second conductor (2) and the other end connected to another paired, inter-digital shaped electrode (3b),

15 a conductive plate (6) disposed over the set of paired, inter-digital shaped electrodes for maintaining a predetermined clearance when a user presses the set of paired, inter-digital shaped electrodes electrically connected to each other, and when a user releases same, electrically disconnect from each other, and

a protective layer (7) for protecting said paired, inter-digital shaped electrodes, said first and second conductors, said first and second connectors, and said conductive plate.

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2. An acoustic strip wallpaper, comprising:

a graphic layer (11) with a plurality of images, pictures or figures on the surface,

a plurality of membrane switches having a first conductor (1) for electrically

coupling a positive terminal of a power battery (33), a second conductor (2) for electrically coupling a negative terminal of said power battery (33), a set of paired, inter-digital shaped electrodes (3a, 3b) having a plurality of insulation bump dots (P) arranged in certain intervals, a first connector (4) with one end connected to the first conductor (1) and the other end connected to one of the paired, inter-digital shaped electrodes (3a), a second connector (5) with one end connected to the second conductor (2) and the other end connected to another paired, inter-digital shaped electrode (3b), a conductive plate (6) disposed over the set of paired, inter-digital shaped electrodes such that when a user presses the set of paired, inter-digital shaped electrodes, they are electrically connected to each other, and when a user releases same, they are electrically disconnected from each other, a protective layer (7) for protecting said paired, inter-digital shaped electrodes, said first and second conductors, said first and second connectors and said conductive plate, and an audio device (30) for outputting sound information when a signal is transmitted from said membrane consisting of a plurality of acoustic micro-chips (31a, 31b), a speaker (32), and a power on-off switch (34).

3. An acoustic strip wallpaper as claimed in claim 2, wherein said acoustic micro-chips (31a, 31b) are pre-stored sound information corresponding to the plurality of images on the graphic layer and said predetermined clearance is maintained by the insulation bump dots.

4. An acoustic strip wallpaper as claimed in claim 2 further comprises a sponge layer (12) having a certain thickness disposed between said graphic layer (11) and

said membrane switches (SW), a moisture-proof layer (14) disposed underneath said sponge layer (12), and a connector (20) for coupling neighbored strips of wallpaper.

5     5.     An acoustic picture board, comprising:

          a case or frame (100) consisting of a front plate (110) with a plurality of circular openings (111), and a back plate (120),

          a picture board (200) with a plurality of paired pictures printed thereon, each of said paired pictures being identical or related in concept,

10           a sound-producing means (300) for outputting sound information, said means consisting of a power source (310), a plurality of membrane switches (SW) that are closed only when a set of paired pictures, identical or related in concept, are pressed, a connector (340), a speaker (350) for outputting sound information associated with the pressed pictures and sound micro-chips (330) that is digitally  
15 stored, converting the associated sound information to analog, and transmitting same to the speaker (350) upon the closing of the paired membrane switches,

          wherein said plurality of membrane switches, consisting of a first conductor (1) for electrically coupling a positive terminal of a power battery (33), a second conductor (2) for electrically coupling a negative terminal of said power battery (33),  
20 a set of paired, inter-digital shaped electrodes (3a, 3b) having a plurality of insulation bump dots (P) arranged in certain intervals, a first connector (4) with one end connected to the first conductor (1) and the other end connected to one of the paired, inter-digital shaped electrode (3a), a second connector (5) with one end connected to the second conductor (2) and the other end connected to another

paired, inter-digital shaped electrode (3b), a conductive plate (6) disposed over the set of paired, inter-digital shaped electrodes such that when a user presses the set of paired, inter-digital shaped electrodes, they are electrically connected to each other, and when a user releases same, they are electrically disconnected from each other, a protective layer (7) for protecting said paired, inter-digital shaped electrodes, said first and second conductors, said first and second connectors, and said conductive plate.

6. An acoustic picture board as claimed in claim 5 is further comprised of a picture frame have a slot (140) at one edge (130) for replacing with another picture board.